

WP5-6 6Volt 5Ah

Specifications

Nominal Voltage(V) **6V**

Nominal Capacity

20 hour rate	(0.25A to 5.25V)	5Ah
10 hour rate	(0.475A to 5.25V)	4.75Ah
5 hour rate	(0.85A to 5.1V)	4.25Ah
1 C	(5A to 4.8V)	2.83Ah
3 C	(15A to 4.8V)	2Ah

Weight **Approx. 830g(1.83Lbs.)**

Internal Resistance (at 1KHz) **Approx. 19 mΩ**

Maximum Discharge Current for 5 seconds: **75A**

Charging Methods at 25 (77)

Cycle use:

Charging Voltage **7.20 to 7.50V**

Coefficient -5.0mV/ /cell

Maximum Charging Current : **1.5A**

Standby use:

Float Charging Voltage **6.75 to 6.90V**

Coefficient -3.0mV/ /cell

Operating Temperature Range

Charge **-15 (5) to 40 (104)**

Discharge **-15 (5) to 50 (122)**

Storage **-15 (5) to 40 (104)**

Charge Retention (shelf life) at 20 (68)

1 month **92%**

3 month **90%**

6 month **80%**

Case Material **ABS**

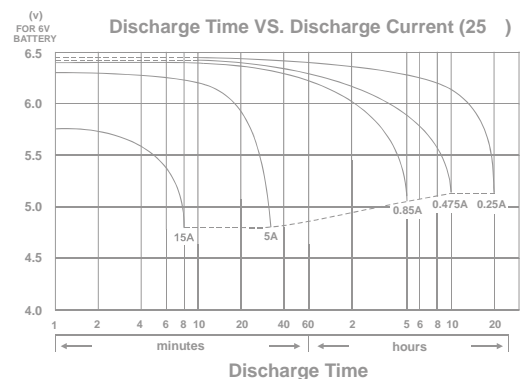
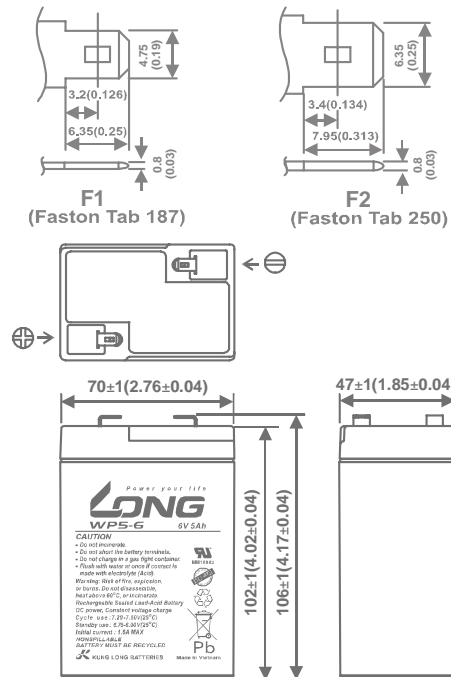
(UL94 HB flame retardant)

Terminal **F1 or F2 (Faston Tab 187 or 250)**

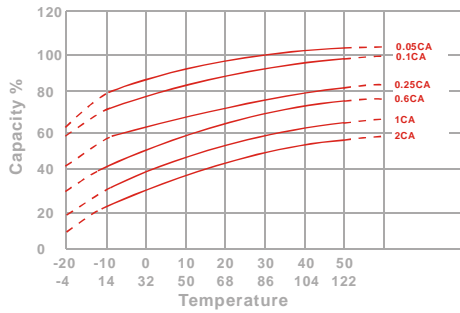


Dimensions

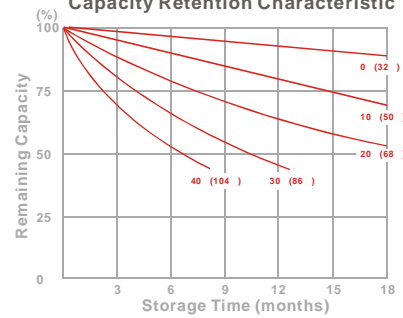
mm(inch)



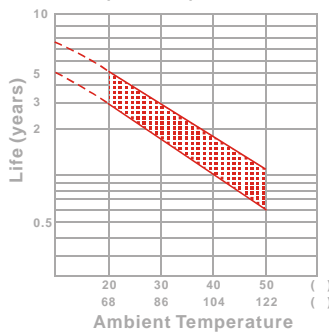
Effect of Temperature on Capacity 25 (77)



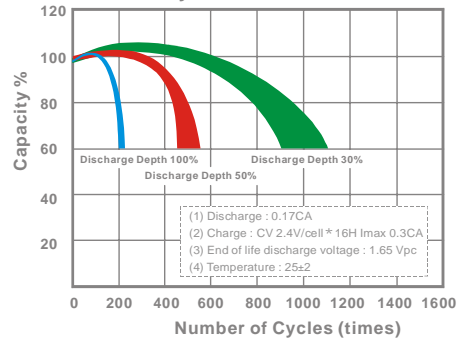
Capacity Retention Characteristic



Trickle (or float) Service Life



Cycle Service Life



- PERFORMANCE DATA

Discharge Rates in Watts to Various End Voltages at 25 (77)

Time	End Voltage	1.85V	1.80V	1.75V	1.70V	1.67V	1.65V	1.60V
5	min	71.5	80.5	87.0	93.0	95.5	98.5	102
10	min	51.0	57.5	61.5	64.5	66.0	67.5	69.0
15	min	42.3	46.7	48.6	49.6	50.0	50.5	51.0
30	min	24.6	27.5	28.6	29.1	29.4	29.8	30.1
60	min	12.6	14.3	15.4	16.3	16.6	17.0	17.2
120	min	7.45	8.30	8.70	9.00	9.15	9.35	9.55
180	min	5.90	6.50	6.80	7.05	7.15	7.30	7.45
240	min	4.80	5.20	5.40	5.55	5.65	5.75	5.85
300	min	4.38	4.68	4.81	4.91	4.96	5.05	5.15
600	min	2.57	2.74	2.82	2.88	2.91	2.94	2.98
1200	min	1.30	1.41	1.50	1.53	1.54	1.56	1.58

- Discharge Rates in Amperes to Various End Voltages at 25 (77)

Time	End Voltage	1.85V	1.80V	1.75V	1.70V	1.67V	1.65V	1.60V
5	min	15.3	17.6	18.9	19.5	19.7	19.9	20.2
10	min	10.5	11.7	11.9	12.1	12.2	12.3	12.4
15	min	7.86	8.52	9.01	9.22	9.29	9.37	9.45
30	min	4.39	4.94	5.11	5.25	5.30	5.35	5.41
60	min	2.39	2.64	2.76	2.87	2.9	2.94	2.97
120	min	1.34	1.46	1.52	1.56	1.57	1.59	1.61
180	min	1.10	1.16	1.19	1.21	1.22	1.23	1.24
240	min	0.855	0.911	0.936	0.962	0.968	0.975	0.983
300	min	0.790	0.826	0.839	0.851	0.855	0.860	0.866
600	min	0.437	0.464	0.476	0.485	0.489	0.493	0.498
1200	min	0.229	0.243	0.251	0.257	0.260	0.263	0.267

All data on the spec. sheet is an average value:

The tolerance range : X<6min(+15%~-15%), 6min X<10min(+12%~-12%),10min X < 60min(+8%~-8%), X 60min(+5%~-5%)